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Two new species of *Medythia* JACOBY from Malaysia (Coleoptera: Chrysomelidae: Galerucinae)

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ABSTRACT. *Medythia bukit*, n. sp. and *Medythia marginicollis*, n. sp. are described from Malaysia. *M. quadrimaculata* JACOBY is recored from Malaysia and Borneo for the first time.

Key words: Entomology, taxonomy, new species, *Coleoptera*, *Chrysomelidae*, *Galerucinae*, Malaysia.

INTRODUCTION

This paper contains descriptions of two new species and a new record of the genus *Medythia* JACOBY from Malaysia. The genus was established with *Medythia quadrimaculata* JACOBY 1887, described from Sumatra, as the type species. Descriptions of the new species and a key to the species are provided.

KEY TO SPECIES OF *MEDYTHIA* FROM MALAYSIA

1. Pronotum oblong, longer than broad. Antennae black, except segments 8-10 whitish. Head black. Elytra (Fig. 3) with four black spots, two spots each in the basal and apical half. Ventral surface entirely brownish. Body length 3.2 mm.
..... *quadrimaculata* JACOBY
- Pronotum transverse, broader than long. Antennae black, except three basal segments brownish. Head brownish. Elytra (Figs 1, 2) different. Ventral surface brownish, except meso- and metasternum black 2.

2. Elytra black, with yellowish transverse band in middle, distinctly covered with small punctures. Antennae with segments 3 and 2 short, subequal in length. Legs yellowish, except coxae, basal half of femora, tibiae and tarsi of the mid and hind legs black. Body length 3 mm.

..... *bukit* n. sp.

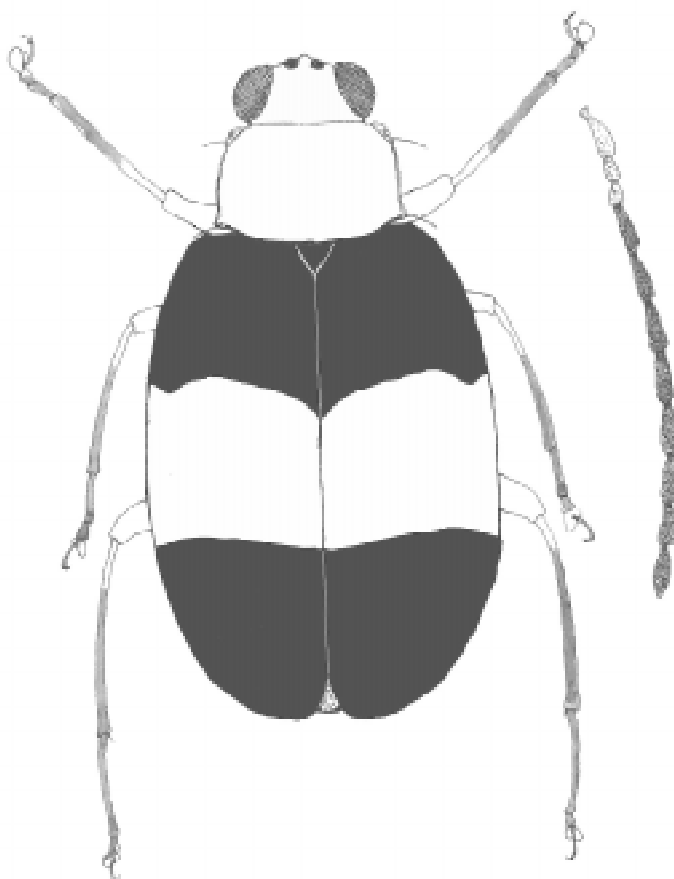
- . Elytra yellowish, with all margins black, finely punctured. Antennae with segment 3 one and one-half time longer than 2. Legs entirely yellowish. Body length 2.8 mm.

..... *marginicollis* n. sp.

DESCRIPTIONS OF NEW SPECIES

***Medythia bukit* n. sp.**

(Fig. 1)



1. *Medythia bukit* n. sp., habitus

Head reddish brown; vertex smooth, impunctate, shiny; frontal tubercles elongate triangular; clypeus triangularly raised; labrum transverse; maxillary palpi black, with apical segment pointed, narrower, as long as penultimate segment. Eyes small, with interocular space twice as broad as transverse diameter of each eye. Antennae black, except three basal segments brownish, extended to middle of elytra; segment 1 longest, club-shaped; segment 2 and 3 short, subequal in length; segment 4 as long as segments 2 and 3 combined; segments 5-11 thickened, with the latter pointed.

Pronotum reddish brown, shiny, transverse, 1.8 times as broad as long; sides rounded; anterior border unmarginated, lateral and posterior borders margined; anterior margin slightly concave, posterior margin rounded posteriorly; angles with seta-bearing pore; disc finely punctate. Scutellum black, triangular, as long as broad.

Elytra black, with yellowish transverse band in middle, subparallel-sided; apical margins rounded; disc moderately convex, densely covered with small punctures, with distance between punctures 2 or 3 times as broad as diameter of puncture; epipleura broad, suddenly narrowed before middle, then very narrowly toward apex.

Legs yellowish, except coxae, basal half of femora, tibiae and tarsi of the middle and hind legs; metatibiae with a spine at apex; metatarsi with the first segment 1.5 times as long as the remaining segments combined. Tarsal claws appendiculate.

Ventral surfaces brownish, except meso- and metasternum black. Procoxal cavities opened posteriorly. Apical sternite trilobed, with median lobe transverse. Pygidium rounded at apex. Body length 3 mm. Female. Apical sternite entire, black. Pygidium pointed, black. Body length 3 mm.

TYPES

Holotype male: MALAYSIA, Pahang, Fraser's Hill, 16.II.1974, Y. KIIYOYAMA.

Paratypes: MALAYSIA, Pahang, Fraser's Hill, 15.II.1974, Y. KIIYOYAMA, male, 2 females; 12.I.1976, Y. KIIYOYAMA, female. Pahang, Gap, 21.III.1975, Y. KIIYOYAMA, female.

Type specimens are deposited in the Centre for Insect Systematics, Universiti Kebangsaan Malaysia, Bangi (UKM). Two paratype specimens (male and female) will be deposited in KIMOTO's Collection.

ETYMOLOGY

The name of the new species, *bukit*, is derived from the Malay word, meaning hill, with reference to the hilly area where the species is found.

REMARKS

Medythia quadrimaculata JACOBY differs from the new species in having the pronotum longer than broad and the elytra with four black spots.

***Medythia marginicollis* n. sp.**

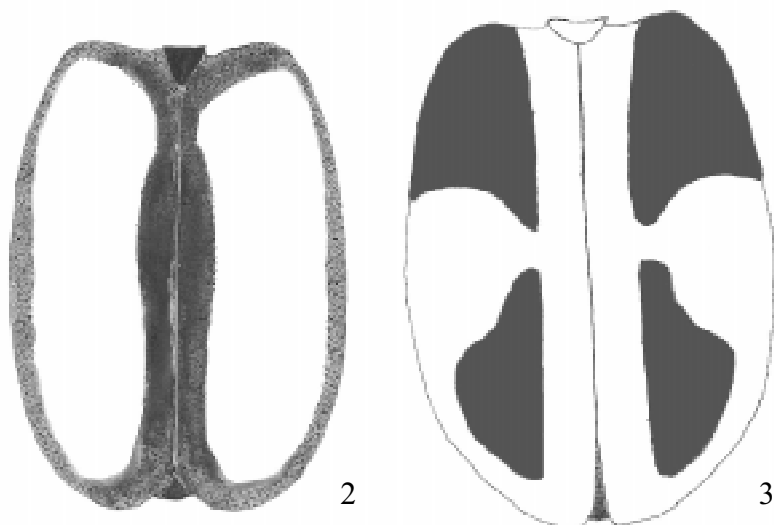
(Fig. 2)

Head dark brown; vertex smooth, impunctate, shiny; frontal tubercles elongate triangular; clypeus triangularly raised; labrum transverse, truncate apically; maxillary palpi-dark brown, with apical segment pointed, narrower, as long as penultimate segment. Eyes moderately large, with interocular space 1.5 times as broad as transverse diameter of each eye. Antennae black, except three basal segments brownish, extended to middle of elytra; segment 1 longest, club-shaped; segment 2 shortest, twice as long as broad; segment 3 c. 1.5x as long as 2; segment 4 as long as segments 2 and 3 combined; segments 4-11 subequal in length.

Pronotum yellowish, with lateral and posterior margins black, oblong, 1.3 times as broad as long, broadest at apical one-third; anterior border unmarginated, lateral and posterior borders margined; anterior margin straight, posterior margin strongly rounded posteriorly; disc depressed in middle, smooth, impunctate, shiny; angles with seta-bearing pore. Scutellum black, triangular, as long as broad.

Elytra yellowish, with basal, lateral, apical and apical margins black; disc moderately convex, smooth, shiny, finely punctate; epipleura entirely black, broad, suddenly narrowed before middle, then very narrowly toward apex.

Legs entirely yellowish; metatibiae with a spine at apex; metatarsi with the first segment 1.5 times as long as the remaining segments combined. Tarsal claws appendiculate.



2-3. Elytral pattern: 2 - *Medythia marginicollis*, n. sp., 3 - *M. quadrimaculata* JACOBY

Ventral surface yellowish, except meso- and metasternum black. Procoxal cavities opened posteriorly. Apical stemite trilobed, with median lobe oblong.

Pygidium rounded at apex. Body length 2.8 mm. Female. Apical stemite entire. Pygidium pointed. Body length 2.8 mm.

TYPES

Holotype male. MALAYSIA, Pahang, Gap, 27.III.1974, Y. KIYOYAMA.

Paratypes. MALAYSIA, Pahang, 27.III.1974, Y. KIYOYAMA, female; 25-26.III.1974, Y. KIYOYAMA, 2 males.

Type specimens are deposited in the Centre for Insect Systematics, Universiti Kebangsaan Malaysia Bangi (UKM). Two paratype specimens (male and female) will be deposited in KIMOTO's Collection.

ETYMOLOGY

The new species, *marginicollis*, is named with reference to the elytral margins, which are black.

REMARKS

Medythia lankana MOHAMEDSAID (1997) differs from the new species in having pronotum, elytra and ventral surface entirely brownish, and antennae with segments 2 and 3 short, subequal.

Medythia quadrimaculata JACOBY

(Fig. 3)

Medythia quadrimaculata JACOBY, 1887: 242 (Sumatra).

MATERIAL EXAMINED

KUALA LUMPUR. Kampus UKM, K.L., 19.X.1974, ex light trap, B & D KURTAK, 1. NEGERI SEMBILAN. Gemas, 20.IV.1975, at light, Y. KIYOYAMA, 1. PAHANG. Kuala Lompat, 30.i.-1.II.1993, Zaki, 1. PERAK. Selim River, 23.III.1978, Y. KIYOYAMA, 1. SELANGOR. Bangi, Universiti Kebangsaan, 5.1.1983, Kalthom Hashim, 1; 15.I.1991, Tan, 1; 26.i.1991, Shahrom, 1. Petaling Jaya, 16.XII.1979, Rohaya, 1. Taman Templer, 4.I.1991, ZAID ISMAIL, 1. SABAH. Menggatal, 9.VIII.1985, Istikomah, 1. Kota Kinabalu, UKMS, 4.I.1985, Junaini, 1; 8.II.1985, Sarifah, 1; 6.IX.1987, Norwati, 1.

REMARKS

This is a new record for Malaysia, as well as for Borneo (ex Sabah).

ACKNOWLEDGEMENTS

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